

WHAT IS CLAIMED IS:

1. A sample rack handling system comprising a rack transportation assembly having a passage capable of transporting a sample rack holding a sample, the rack transportation assembly being to be installed on a floor surface; and a treatment unit structure having a rack transferring area for sending out and receiving the sample rack to and from said passage, the treatment unit structure being capable of being combined with said rack transportation assembly, which further comprises:
 - a projecting member formed in said rack transportation assembly below said passage, the projecting member projecting forward from said rack transportation assembly;
 - a first reference surface facing upward formed on an upper surface of said projecting member;
 - a plurality of adjusters for adjusting height, the adjuster being attached at a position lower than said projecting member in said rack transportation assembly;
 - a second reference surface facing downward formed at a position near a back surface of said treatment unit structure lower than said rack transferring area;
 - casters to be used so as to contact to said floor surface when said treatment unit structure is moved on the floor surface, the caster being arranged at a position lower than said second reference surface in said treatment unit structure; and

a height adjuster capable of adjusting a height from the floor surface in the front side of said treatment unit structure after said second reference surface is brought in contact with said first reference surface.

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2. A sample rack handling system according to claim 1, wherein said casters in said treatment unit structure are attached at a position where said casters do not come into contact with said rack transportation assembly when combining of said treatment unit structure with said rack transportation assembly is completed.

3. A sample rack handling system according to claim 1, wherein said rack transferring area comprises a rack inlet port and a rack outlet port, after completion of combining said treatment unit structure with said rack transportation assembly, a level of a rack transferring surface of said rack inlet port being not higher than a level of a rack transportation surface of said passage in said rack transportation assembly, a level of a rack transferring surface of said rack outlet port being not lower than a level of a rack transportation surface of said passage in said rack transportation assembly, a level difference between said rack transportation surface and each of said rack transferring surfaces being not larger than 5 mm.

4. A sample rack handling system according to claim 1,

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wherein a plurality of treatment unit structures are combined with one rack transportation assembly.

5. A sample rack handling system according to claim 1,
5 wherein said rack transportation assembly includes a platform having said projecting member and said plurality of adjusters; and a rack transportation mechanism having said passage, the rack transportation mechanism being attached onto said platform.

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6. A sample rack handling system according to claim 1,
wherein said treatment unit structure comprises a plurality of vertical stripes formed in an equal interval on a front surface of said treatment unit structure, and a width
15 dimension of said treatment unit structure is integer times of the interval of said stripes.

T025720-03052660